

List of Publications by Citations

Source: <https://exaly.com/author-pdf/10895437/p-k-dutta-publications-by-citations.pdf>

Version: 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

2,413
citations

23
h-index

36
g-index

36
ext. papers

2,791
ext. citations

6.2
avg, IF

5.55
L-index

#	Paper	IF	Citations
35	Evaluation of chitosan nano dressing for wound healing: characterization, in vitro and in vivo studies. <i>International Journal of Biological Macromolecules</i> , 2013 , 57, 193-203	7.9	316
34	Physicochemical and bioactivity of cross-linked chitosan-PVA film for food packaging applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 372-6	7.9	312
33	In vivo evaluation of chitosan-PVP-titanium dioxide nanocomposite as wound dressing material. <i>Carbohydrate Polymers</i> , 2013 , 95, 530-9	10.3	265
32	Chitosan-PVP-nano silver oxide wound dressing: in vitro and in vivo evaluation. <i>International Journal of Biological Macromolecules</i> , 2015 , 73, 49-57	7.9	235
31	Chitosan-silver oxide nanocomposite film: Preparation and antimicrobial activity. <i>Bulletin of Materials Science</i> , 2011 , 34, 29-35	1.7	147
30	Progress in antimicrobial activities of chitin, chitosan and its oligosaccharides: a systematic study needs for food applications. <i>Food Science and Technology International</i> , 2012 , 18, 3-34	2.6	119
29	Preparation, physicochemical and biological evaluation of quercetin based chitosan-gelatin film for food packaging. <i>Carbohydrate Polymers</i> , 2020 , 227, 115348	10.3	115
28	Preparation and characterization of N-heterocyclic chitosan derivative based gels for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 330-7	7.9	89
27	A new chitosan-thymine conjugate: synthesis, characterization and biological activity. <i>International Journal of Biological Macromolecules</i> , 2012 , 50, 493-502	7.9	64
26	Chitosan grafted graphene oxide aerogel: Synthesis, characterization and carbon dioxide capture study. <i>International Journal of Biological Macromolecules</i> , 2019 , 125, 300-306	7.9	64
25	Preparation and properties of hybrid monodispersed magnetic Fe ₂ O ₃ based chitosan nanocomposite film for industrial and biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2011 , 48, 170-6	7.9	61
24	Antibacterial activity of diisocyanate-modified chitosan for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2016 , 84, 349-53	7.9	56
23	A physico-chemical and biological study of novel chitosan-chloroquinoline derivative for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 356-61	7.9	45
22	Methyl methacrylate modified chitosan: Synthesis, characterization and application in drug and gene delivery. <i>Carbohydrate Polymers</i> , 2019 , 211, 109-117	10.3	44
21	Preparation, circular dichroism induced helical conformation and optical property of chitosan acid salt complexes for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2009 , 45, 384-92	7.9	43
20	Cu(II)-carboxymethyl chitosan-silane schiff base complex grafted on nano silica: Structural evolution, antibacterial performance and dye degradation ability. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 215-226	7.9	43
19	Synthesis of chitin-glucan-aldehyde-quercetin conjugate and evaluation of anticancer and antioxidant activities. <i>Carbohydrate Polymers</i> , 2018 , 193, 99-107	10.3	42

18	4-(Ethoxycarbonyl) phenyl-1-amino-oxobutanoic acid-chitosan complex as a new matrix for silver nanocomposite film: preparation, characterization and antibacterial activity. <i>International Journal of Biological Macromolecules</i> , 2011 , 49, 863-70	7.9	37
17	Chitosan Biopolymer Schiff Base: Preparation, Characterization, Optical, and Antibacterial Activity. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014 , 63, 173-177	3	35
16	Preparation, Antibacterial and Physicochemical Behavior of Chitosan/Ofloxacin Complexes. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2010 , 59, 793-807	3	32
15	A systematic study on chitosan-liposome based systems for biomedical applications. <i>International Journal of Biological Macromolecules</i> , 2020 , 160, 470-481	7.9	31
14	Chitosan Based Scaffolds by Lyophilization and sc.CO2 Assisted Methods for Tissue Engineering Applications. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010 , 47, 429-434	2.2	30
13	Chitosan silk-based three-dimensional scaffolds containing gentamicin-encapsulated calcium alginate beads for drug administration and blood compatibility. <i>Journal of Biomaterials Applications</i> , 2015 , 29, 1314-25	2.9	24
12	Self-assembling N-(9-Fluorenylmethoxycarbonyl)-l-Phenylalanine hydrogel as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016 , 93, 1639-1646	7.9	23
11	Curcumin loaded chitin-glucan quercetin conjugate: Synthesis, characterization, antioxidant, in vitro release study, and anticancer activity. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 234-244	7.9	23
10	Chitosan containing azo-based Schiff bases: thermal, antibacterial and birefringence properties for bio-optical devices. <i>RSC Advances</i> , 2016 , 6, 5575-5581	3.7	19
9	Phenolic compounds based conjugates from dextran aldehyde and BSA: Preparation, characterization and evaluation of their anti-cancer efficacy for therapeutic applications. <i>International Journal of Biological Macromolecules</i> , 2018 , 110, 425-436	7.9	19
8	Porous Chitosan Scaffolds: A Systematic Study for Choice of Crosslinker and Growth Factor Incorporation. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2015 , 64, 242-252 ³		18
7	Green synthesis, characterization and biological evaluation of chitin glucan based zinc oxide nanoparticles and its curcumin conjugation. <i>International Journal of Biological Macromolecules</i> , 2020 , 156, 514-521	7.9	18
6	Dibutylchitin nanoparticles as novel drug carrier. <i>International Journal of Biological Macromolecules</i> , 2016 , 82, 1011-7	7.9	17
5	Spectroscopic and conformational study of chitosan acid salts. <i>Journal of Polymer Research</i> , 2009 , 16, 231-238	2.7	16
4	Natural Antioxidant and Antimicrobial Agents from Agrowastes: An Emergent Need to Food Packaging. <i>Waste and Biomass Valorization</i> , 2020 , 11, 1905-1916	3.2	5
3	Modified Chitosan Films/Coatings for Active Food Packaging. <i>Advances in Polymer Science</i> , 2021 , 203-232. ³		4
2	Thioglycolic acid modified chitosan: a template for in-situ synthesis of CdSe QDs for cell imaging. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020 , 57, 711-724	2.2	2
1	Chitosan for Wound Healing in the Light of Skin Tissue Engineering and Stem Cell Research 2021 , 351-379		

